

## Proposal Full View

### Applicant Information

Organization Name

North San Joaquin Water Conservation District \*

Tax ID

941722526

Proposal Name

Recharge of the Northeastern San  
Joaquin County Groundwater Basin  
Using Recycled Water. \*

Proposal Objective

The objective of this project is to determine the potential for using recycled water to recharge the groundwater basin either through direct or in lieu recharge. The San Joaquin groundwater basin is over drafted by approximately 200,000 AFY and a variety of projects have been proposed and evaluated to address this situation using surface water. The potential to deliver and use recycled water for either direct or in lieu recharge by supplying recycled water for agricultural irrigation has not been evaluated or assessed for this region in terms of either availability or local acceptance. The use of recycled water for agricultural irrigation would provide a drought proof and reliable water supply to Northeastern San Joaquin County, which would augment the less reliable surface water and replace groundwater extractions. Assessing the availability of the supply and grower acceptance for the use of recycled water within the basin will be critical to establishing the utility of using recycled water to reduce basin overdraft. This study will provide North San Joaquin Water Conservation District and other members of the Northeast San Joaquin County Groundwater Banking Authority with the factual data required to gauge the extent to which recycled water could be a component of the basin's long term need for a reliable source of water. \*

### Budget

Other Contribution

\$0.00

Local Contribution

\$0.00

Federal Contribution

\$0.00

Inkind Contribution

\$0.00

Amount Requested

\$250,000.00 \*

Total Project Cost

\$250,000.00 \*

### Geographic Information

Latitude \*

DD(+/-) 38 MM 8 SS 20

Longitude \*

DD(+/-) 121 MM 13 SS 40

Longitude/Latitude  
Clarification

Longitude/Latitude  
given are  
approximate  
center of  
study area.

Location

North portion  
of San  
Joaquin  
County

County

San Joaquin \*

Ground Water Basin

San Joaquin Valley-Eastern San Joaquin

Hydrologic Region

San Joaquin

Watershed

91 North Valley Floor in  
Eastern San Joaquin County

**Legislative Information**

Assembly District

10th Assembly District, 26th Assembly District \*

Senate District

14th Senate District \*

US Congressional District

District 11 (CA) \*

**Project Information**

Project Name

Recharge of the Northeastern San Joaquin Cou

Implementing Organization	North San Joaquin Water Conservation District
Secondary Implementing Organization	
Proposed Start Date	4/1/2013
Proposed End Date	4/1/2014
Project Scope	Study feasibility and provide outreach for using recycled water for agricultural irrigation and groundwater recharge.
Project Description	<p>This study is to determine the potential for using recycled water to recharge the groundwater basin either through direct or in lieu recharge. The San Joaquin groundwater basin is over drafted by approximately 200,000 AFY and a variety of projects have been proposed and evaluated to address this situation using surface water. The potential to deliver and use recycled water for either direct or in lieu recharge by supplying recycled water for agricultural irrigation has not been evaluated or assessed for this region in terms of either availability or local acceptance. The use of recycled water for agricultural irrigation would provide a drought proof and reliable water supply to Northeastern San Joaquin County, which would augment the less reliable surface water and replace groundwater extractions.</p> <p>Assessing the availability of the supply and grower acceptance for the use of recycled water within the basin will be critical to establishing the utility of using recycled water to reduce basin overdraft. This study will provide North San Joaquin Water Conservation District and other members of the Northeast San Joaquin County Groundwater Banking Authority with the factual data required to gauge the extent to which recycled water could be a component of the basin's long term need for a reliable source of water.</p>
Project Objective	The study has 2 main objectives: 1) determine the potential for using recycled water to recharge the groundwater basin either through direct or in lieu recharge, and 2) evaluate the willingness and demand from farmers and public to use recycled water for agricultural irrigation and/or groundwater recharge.

**Project Benefits Information**

Project Benefit Type	Benefit Type	Measurement	Description
	Water Storage --		In-Lieu

Primary	Conjunctive-Water Supply Enhancement	20000	Groundwater Recharge
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Project Objective

**Budget**

Other Contribution	0
Local Contribution	0
Federal Contribution	0
Inkind Contribution	0
Amount Requested	250000
Total Project Cost	250000

**Geographic Information**

Latitude DD(+/-) 38 MM 8 SS 20

Longitude DD(+/-) 121 MM 13 SS 40

Longitude/Latitude Clarification Longitude/Latitude given are approximate Location North portion of San

County San Joaquin Ground Water Basin San Joaquin Valley-Eastern San Joaquin Hydrologic Region San Joaquin WaterShed 91 North Valley Floor in Eastern San Joaquin County

**Legislative Information**

Assembly District	10th Assembly District, 26th Assembly District
Senate District	14th Senate District
US Congressional District	District 11 (CA)

**Section : Applicant Information and Question's Tab****APPLICANT INFORMATION AND QUESTION'S TAB****Q1. Applicant Information****Provide the agency name, address, city, state, and zip code of the applicant submitting the application.**

North San Joaquin Water Conservation District, P.O. Box E, Victor, CA 95253-0334

**Q2. Proposal Description:****Provide a brief abstract of the Proposal. This abstract must provide an overview of the proposal including the main issues and priorities addressed in the proposal. Within the abstract, please describe how the proposal relates to the GWMP's BMO's.**

The objective of this project is to determine the potential for using recycled water to recharge or help stabilize the East San Joaquin Groundwater Basin by reducing local dependency on groundwater pumping. To accomplish this objective, this project will help to 1) determine the acceptability of recycled water to the public and the agricultural community, and 2) determine the availability of recycled water. Agriculture is the major source of groundwater pumping in the Groundwater Basin; therefore, identifying and addressing farmer concerns regarding the use of recycled water is key to achieving acceptance of recycled water as a source of supply in lieu of pumping groundwater. Effective, transparent and consistent public outreach is critical to identifying those concerns. In addition, this Study will identify potential sources of recycled water supply and the location of potential recycled water users. In order to assess whether recycled water

would be a economically viable alternative to meet the Basin Mangement Objectives, as identified in the 2004 Eastern San Joaquin Groundwater Basin Groundwater Management Plan, it is necessary to identify the facilities needed to convey recycled water, capital costs, and maintenance costs. Using recycled water in lieu of pumping groundwater addresses the following Basin Management Objectives: 1) Groundwater Levels; 2) Groundwater Quality; and, 3) Surface Water Quality and 4) Inelastic Land Subsidence. Groundwater levels will be maintained or potentially enhanced by the increased use of other sources of supply in a local conjunctive use program, such as using recycled water in lieu of surface water. Groundwater quality would benefit by using recycled water during drought periods to reduce groundwater pumping to help address saline groundwater intrusion and its associated decline in the groundwater level. Using recycled water to address agricultural demands will minimize surface water diversions during all types of water years and thus minimize impacts to downstream users or diverters including recharge of the groundwater basin. Results of this project will provide the North San Joaquin Water Conservation District and other members of the Northeast San Joaquin County Groundwater Banking Authority with factual data regarding the feasibility of using recycled water as a component of the basin's long term need for a reliable source of water to supplement the groundwater. Using this information, a financing plan can then be developed for implementation of the project.

### Q3. Project Director:

**Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.**

Joe Petersen, President; North San Joaquin Water Conservation District; (209) 368-8010; Joe@AgLand.org

### Q4. Project Manager:

**Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.**

Walter E. Sadler, Project Manager; North San Joaquin Water Conservation District; (916) 213-2300; wesadler@gmail.com

### Q5. Additional Information:

**Based on the region's location, what is the applicable DWR region office (Northern, North Central, South Central, or Southern)? The following link can be used to view each DWR region office boundaries:**

[http://www.water.ca.gov/groundwater/groundwater\\_basics/gw\\_contacts\\_info.cfm](http://www.water.ca.gov/groundwater/groundwater_basics/gw_contacts_info.cfm)

- 1) ☐ Northern Region
- 2) ☒ North Central Region
- 3) ☐ South Central Region
- 4) ☐ Southern Region

### Q6. Additional Information:

**Provide the Date of GWMP Adoption, if any, and list the pursuant Water Code Section or other legal Authority in which it was adopted.**

Eastern San Joaquin Groundwater Basin Groundwater Management Plan, adopted September 22, 2004. Adopted under authority of Water Code Section 10750 et. seq. by the Northeastern San Joaquin County Groundwater Banking Authority (JPA). North San Joaquin Water Conservation District is signatory to the JPA.

### Q7. Additional Information:

**Provide a list of documents that support and indicate collaboration with other local public agencies with regard to the management of the affected groundwater basin (e.g., MOUs, MOAs, JPAs, adoption of a GWMP, recognition of county ordinances in permitting processes, or party to a groundwater basin adjudication order).**

Signatory to the Northeast San Joaquin County Groundwater Banking Authority, Joint Powers Authority (JPA), formed in 2001. Participation in the development and adoption of the Eastern San Joaquin Groundwater Basin Groundwater Management Plan, adopted September 22, 2004. Participation in the Farmington Groundwater Recharge Program as a

partner with Stockton East Water District and U.S. Army Corps of Engineers. Participation in the development and adoption of the Eastern San Joaquin Integrated Regional Water Management Plan, adopted July 25, 2007. Participation in the development of the Eastern San Joaquin Region IRWMP, ongoing.

#### Q8. Additional Information

Name the entity(ies) providing the fund(s) reported in the above Budget section under the category "Other Contribution". If there are no "Other Contributions" Please answer this question with, "No Other Contributions".

No Other Contributions.

#### Q9. Eligibility:

List the urban water suppliers that will receive funding from the proposed grant. Please provide the agency name, a contact phone number and email address. Those listed must submit self certification of compliance with CWC §525 et seq. and AB1420, see Attachment 10. If there are none, so indicate.

There are no urban suppliers that will receive funding from this grant.

#### Q10. Eligibility:

Have all of the urban water suppliers, listed in Q9 above, submitted complete 2010 UWMP to DWR? If not, explain why. Have those plans been verified as complete by DWR? If not, explain current status.

Not Applicable

#### Q11. Completeness Check:

Have all of the fields in the application been completed?

Yes

#### Q.11. Completeness Check (cont)

If no, please explain. If yes, answer this question with "NA".

NA

### Section : Application Attachments Tab

#### APPLICATION ATTACHMENTS TAB

##### Attachment 1. Authorizing Documentation

Upload authorizing documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att1\_LGA12\_NSJWCD\_AuthDoc\_1of1.pdf

##### Attachment 2. Eligible Applicant Documentation

Upload eligible documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att2\_LGA12\_NSJWCD\_EligDoc\_1of1.pdf

##### Attachment 3. Status of GWMP

**Upload the GWMP documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att3\_LGA12\_NSJWCD\_GWMP\_1of2.pdf,Att3\_LGA12\_NSJWCD\_GWMP\_2of2.pdf

#### **Attachment 4. Project Description**

**Upload project description here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att4\_LGA12\_NSJWCD\_ProjD\_1of1.pdf

#### **Attachment 5. Work Plan**

**Upload work plan here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att5\_LGA12\_NSJWCD\_WrkPln\_1of2.pdf,Att5\_LGA12\_NSJWCD\_WrkPln\_2of2.pdf

#### **Attachment 6. Budget**

**Upload budget here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att6\_LGA12\_NSJWCD\_BUDGET\_1of1.pdf

#### **Attachment 7. Schedule**

**Upload schedule here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att7\_LGA12\_NSJWCD\_SCHED\_1of1.pdf

#### **Attachment 8. Quality Assurance**

**Upload quality assurance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att8\_LGA12\_NSJWCD\_QA\_1of2.pdf,Att8\_LGA12\_NSJWCD\_QA\_2of2.pdf

#### **Attachment 9. Past Performance**

**Upload past performance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att9\_LGA12\_NSJWCD\_PERFORM\_1of1.pdf

#### **Attachment 10. AB1420 and Water Meter Implementation Compliance**

**Upload 1420 and water meter implementation documentation here, if applicable. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

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